

Title (en)  
RUBBER COMPOSITION FOR TIRES AND PNEUMATIC TIRE

Title (de)  
KAUTSCHUKZUSAMMENSETZUNG FÜR REIFEN UND LUFTREIFEN

Title (fr)  
COMPOSITION DE CAOUTCHOUC POUR PNEUS ET PNEU

Publication  
**EP 3508524 B1 20200513 (EN)**

Application  
**EP 18205092 A 20181108**

Priority  
JP 2017241692 A 20171218

Abstract (en)  
[origin: EP3508524A1] Provided is a pneumatic tire that provides a balanced improvement of abrasion resistance, wet grip performance, and fuel economy. A rubber composition for tires containing: a rubber component including an aromatic vinyl-conjugated diene copolymer that contains aromatic vinyl units derived from an aromatic vinyl compound and conjugated diene units derived from a conjugated diene compound; carbon black; and a silica having a NSA of 40 m/g or more, the copolymer containing at least 80% of isolated aromatic vinyl units based on the total aromatic vinyl units, the copolymer having a  $\Delta T_g$  of more than 10°C but less than 20°C as determined by DSC, the rubber component including, based on 100% by mass thereof, 1-90% by mass of the copolymer and 0-70% by mass of an isoprene-based rubber, the rubber composition containing 10 parts by mass or more of the silica per 100 parts by mass of the rubber component.

IPC 8 full level  
**C08L 7/00** (2006.01); **B60C 1/00** (2006.01); **B60C 11/00** (2006.01); **C08L 9/00** (2006.01); **C08L 21/00** (2006.01)

CPC (source: EP US)  
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